

## AMENDMENT

**Please replace the claims with the following:**

B1  
C1  
E1

1 1. (Twice Amended) A method for compressing video data in a computer  
2 system, comprising:  
3 receiving a stream of data from a current video frame in the computer  
4 system;  
5 computing a difference frame from the current video frame and a previous  
6 video frame as the current video frame streams into the computer system, wherein  
7 computing the difference frame includes computing the difference frame in a core  
8 logic chip within the computer system, wherein the core logic chip is a  
9 semiconductor chip that couples the processor to a main memory and a system bus  
10 for the computer system; and  
11 storing the difference frame in a memory in the computer system.

1 2. (Unchanged) The method of claim 1, including storing the current video  
2 frame in the memory in the computer system.

1 3. (Unchanged) The method of claim 2, wherein the current video frame is  
2 written over a previous video frame in the memory.

1 4. (Unchanged) The method of claim 1, wherein computing the difference  
2 frame includes computing an exclusive-OR between the current video frame and  
3 the previous video frame.

1           5. (Unchanged) The method of claim 1, wherein computing the difference  
2 frame includes computing a difference between a block of data from the current  
3 video frame and a block of data from the previous video frame.

1           6. (Unchanged) The method of claim 1, wherein storing the difference  
2 frame in memory includes storing the difference frame in the memory using block  
3 transfers.

1           7. (Unchanged) The method of claim 1, including compressing the video  
2 data using the difference frame to produce compressed video data.

1           8. (Unchanged) The method of claim 1, including performing a color space  
2 conversion on the video data.

1           9. (Unchanged) The method of claim 1, including using the video data in  
2 compressed form in a video teleconferencing system.

1           10. (Unchanged) The method of claim 1, including storing instructions and  
2 data for the computer system in the memory.

**Claim 11 was previously cancelled.**

1           12. (Unchanged) The method of claim 1, wherein computing the  
2 difference frame includes computing the difference frame in circuitry outside of a  
3 central processing unit in the computer system.

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B2 E4  
C2  
13. (Twice Amended) A method for compressing video data in a computer  
system, comprising:

3 receiving a stream of data from a current video frame in the computer  
4 system;  
5 computing a difference frame from the current video frame and a previous  
6 video frame as the current video frame streams into the computer system, wherein  
7 computing the difference frame includes computing an exclusive-OR between the  
8 current video frame and the previous video frame, and wherein computing the  
9 difference frame includes computing the difference frame in a core logic chip  
10 within the computer system, (wherein the core logic chip is a semiconductor chip  
11 that couples the processor to a main memory and a system bus for the computer  
12 system);  
13 storing the difference frame in a memory in the computer system;  
14 storing the current video frame in the memory in the computer system; and  
15 compressing the video data using the difference frame to produce  
16 compressed video data.

1 14. (Unchanged) The method of claim 13, wherein the current video frame  
2 is written over a previous video frame in the memory.

1 15. (Unchanged) The method of claim 13, wherein computing the  
2 difference frame includes computing a difference between a block of data from  
3 the current video frame and a block of data from the previous video frame.

1 16. (Unchanged) The method of claim 13, wherein storing the difference  
2 frame in memory includes storing the difference frame in the memory using block  
3 transfers.

1 17. (Unchanged) The method of claim 13, including using the compressed  
2 data in a video teleconferencing system.

1           18. (Unchanged) The method of claim 13, including performing a color  
2   space conversion on the video data.

1           19. (Unchanged) The method of claim 13, including storing instructions  
2   and data for the computer system in the memory.

**Claim 20 was previously cancelled.**